

Abbreviated Design Form

This form is for use with gravity, pump to gravity, enhanced flow, and low pressure distribution (LPD) sewage system designs and when applying for a certification letter or subdivision approval.

This abbreviated design covers the ☐ primary and reserve area, ☐ only the primary area, ☐ only the reserve area (check one) for _____ (property ID).

Design Basis

Total length of available area: _____ Total width of available area: _____

Estimated Perc. Rate: _____ at _____ in. (depth) Number of bedrooms (or GPD): _____

Conveyance Method¹: _____ Distribution method² (specify): _____

Dispersal system basis³ _____ LGMI required? _____ (Yes/No)

Effluent quality required: _____ (Primary, Secondary, Advanced Secondary)

Square feet per bedroom: _____ Total trench bottom area required: _____

¹Gravity, pump, siphon

²Enhanced flow, LPD, or Drip Dispersal

³Table 5.4 of SHDR or identify the GMP used

Area Calculations

Number of trenches _____ (Note if a pad is used) Length of pad or trenches: _____

Width of pad or trenches: _____ Center to center spacing: _____

Reserve required? _____ Percent reserve area required: _____

Total width of absorption area required _____ Total trench bottom area provided: _____

The required width is calculated by multiplying the center-to-center spacing by one less than the number of trenches and adding 1 trench width plus any required reserve area. If the topography is not uniform across the length of the site the trenches will need to flare apart on one end to maintain contour. When this occurs it is necessary to use a center-to-center spacing that accounts for the flair or the installer will not be able to fit the system within the approved area. It is perfectly acceptable to have more area available, especially up and down the slope, than is required.